

MONTHLY REPORT
TECHNICAL SERVICES BRANCH
ENGINEERING STAFF

1 September - 30 September 1965

1. The first returns of the Electronic Technician Tests are starting to come in from the field. The results have been interesting and in a few cases surprising. A number of people have failed this test, which could indicate a lack of preparation or over confidence. As more tests come in we will be able to get a better overall picture.

2. The OCI Signal Center was relocated from Room 7F36 to Room 7F35 at Langley.

3. Two technicians departed on PCS assignments. Four returnees entered on duty and three new WET's entered on duty. Four technicians were on foreign TDY and two technicians on domestic TDY. Sixteen technicians were in various stages of training at [REDACTED] Three technicians are attending the MAX-1 school [REDACTED]

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25X1A5a1

25X1A9a

Chief, Technical
Services Branch, OC-E

~~SECRET~~
GROUP 1
Excluded from automatic
downgrading and
declassification

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25X1A6a [REDACTED] TECHNICAL SECTION

Overtime -

1. Staff Employees - 36 Hours.
2. Contract Employees - 0 Hours.

T&I UNIT

1. One hundred and sixty-nine Delco 5300 Transceivers were processed this month. One hundred and forty-two units were accepted, and twenty-seven units were returned to the vendor. [REDACTED]

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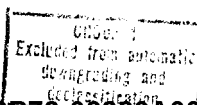
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[REDACTED] contract technicians visited the T&I Unit on 8 and 9 September to modify seventy receivers which were part of the equipments accepted for stock.

2. An abnormal number of Digitech DT-103 and DT-1200 B Telegraph Word Generators were rejected this month for minor discrepancies; i.e., loose plugs, shorted circuit boards (not cleaned properly), and marginal transistors. [REDACTED] is revising their Quality Control procedures to eliminate their current equipment problems.
3. Listed are some of the major items of equipment that were processed this month:

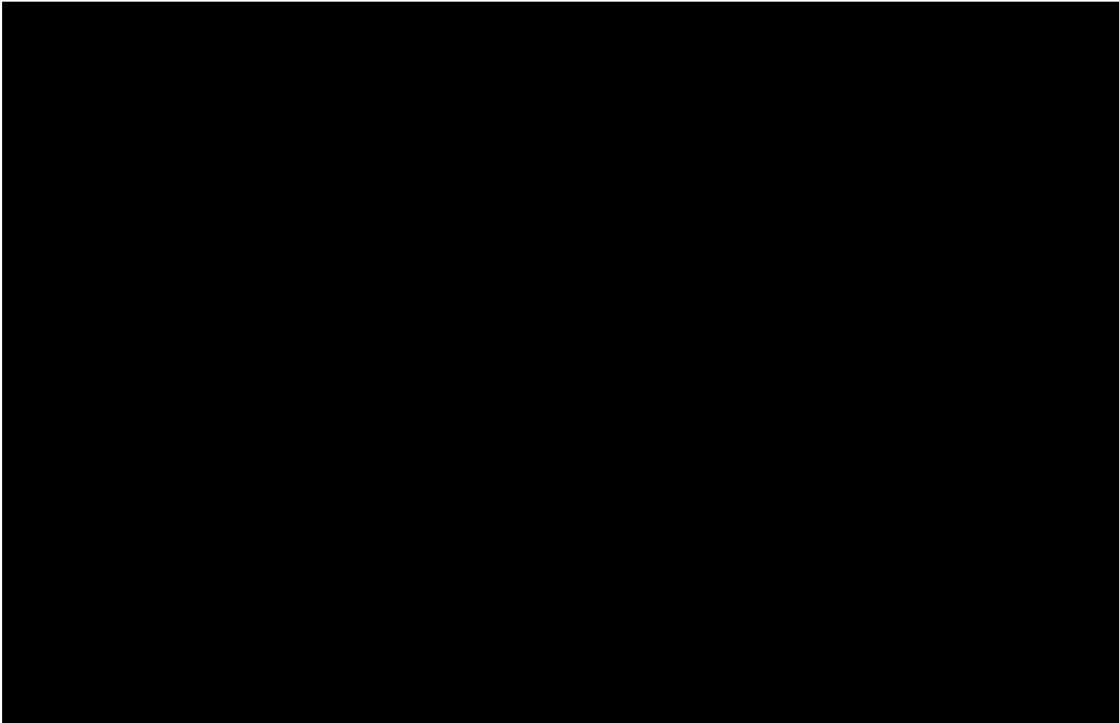
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	<u>Accepted</u>	<u>Rejected</u>
One hundred sixty-nine Delco 5300 Transceivers.	142	27
Thirty-two RT-48 Transmitters.	31	1
One hundred forty-three KE-8 Keyers.	143	
Four XFK Exciters.	4	
Fifteen H.P. 200 Signal Generators.	15	
Five H.P. 606 Signal Generators.	5	
Thirty Collins 51-S Receivers.	30	
Twenty Frederick Electronics Model 1200 TTY Converters.	20	
Twenty Delta RCU-10 Remote Control Units.	20	
Four RR-390/URR Receivers.	4	
Eight Revere T-3000 Recorders.	8	



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IN-PLANT INSPECTIONS



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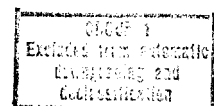
ELECTRONIC/TELETYPE REHAB UNIT

1. The Electronic Technicians processed thirty-six PTI's, twenty job orders, and five repair requests.
2. The Teletype Technicians processed five PTI's, one job order, twenty-seven cargo's, and thirty-one receiving reports.
3. Two [REDACTED] Systems, one for [REDACTED] and one for [REDACTED], were assembled and tested this month.
4. Four M-28 Printer Cabinets, three printers per cabinet, complete with printers were reconditioned for MC/OSA.
5. The SBE-2 Passband Modification requested by OC-E/ESB was completed, and a report was forwarded to OC-E/ESB.
6. The CM-48 Crystal Matrixs and RT-48A Transmitters in stock were modified in accordance with MWO 107-1.

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CRYSTAL UNIT

Totals	Requisitions	Crystals
New Orders	37	2974
Orders Completed	33	1091
Partial Completed	2	69
Backlog	35	3829

ENGINEERING UNIT

Equipment Standardization -

1. A memorandum was sent to OC-E/MSB requesting that the tools be purchased for twenty Installation Tool Kits.
2. A memorandum was submitted recommending that OC-E/MSB stock ten R.F. Balanced Bridge Crystal Detectors, "RHO-TECTORS".

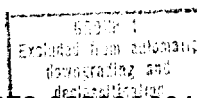
Test Procedures -

1. The General Transmitter; LSSB-63-1A Sideband Exciter; XFK Frequency Shift Exciter; and the AM-2A, 30 - 54 megacycles, Impedance Adapter Test Procedures were forwarded for publication.
2. The Delco 5300 Transceiver and the ATS-50 R-2 Antenna System Test Procedures were forwarded for comments.
3. [REDACTED] visited [REDACTED] to attend a technical discussion of the R-100 Tele-type Line Isolator.
4. [REDACTED] is being briefed to assume [REDACTED] duties on 4 October.

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1. The unit processed one hundred twenty-seven receiving vouchers and fourteen cargo vouchers.
2. The work load is normal and current.



CALIBRATION UNIT

The Calibration Technician processed forty-three items of test equipment. All servicing was routine, and all equipment was returned to service.

MECHANICAL UNIT

1. The unit constructed a crystal vacuum disposition plater which uses a cold trap instead of a heat pump. The unit is functioning properly, and it will be placed in service on or about 27 September.
2. The Mechanical work load is current, and all routine work requests were processed.

POWER UNIT

25X1A9a [REDACTED] is on loan to the Engineering Services Branch.

TSB SUPPLY

1. Expenditures:

As of 28 September 1965 a total of \$99,706.10 has been expended for FY 1966.
2. Fifty-three field requests consisting of 748 line items were processed this month.
3. As of this date a total of 2,338 line items have been processed of which 2,010 have been shipped from Headquarters stock. The remaining items, less than 15%, were put on back order.
4. A total of 750 line items of receiving (teletype parts) have been stocked within the last two weeks. This constitutes approximately 85% of the total line items ordered in this fiscal year.
5. The KW-26C MPL has been completed.

LANGLEY TECHNICAL SECTION

Wire Unit

1. The routine maintenance schedule for the Signal Center and Outside Area is up to date.
2. Troubles reported and corrected in the Washington Area are as follows:

a. Main Signal Center - 384

25X1A2d1b. [REDACTED] (6th Floor) - 15

c. Outside Area - 35

TOTAL: 434

3. Considerable trouble was experienced on the KW-7 Security Network. The TWX data set at one location developed troubles on three different occasions and two KW-7's were found to have bad permuter cords. The system is now operating satisfactory.
4. The new 7th Floor OCI Signal Center was activated on 17 September.
5. We are working with OC-E/ESB on the new Signal Center Speedcast Project and the pending renovation of the NPIC Signal Center.

Electronic Unit

1. DCI/SO Very-High-Frequency Net

The Remote Control Unit was reterminated from Room 7F36 to Room 7F33.

2. Microwave

The Number 1 modulator (MU353) developed a short which resulted in a severely burned unit.

3. Ciphony

a. KY-1

Five troubles were reported and corrected.

Electronic Unit (Continued)

b. KY-5

Three troubles were corrected.

c. KY-3

(1) Three troubles were corrected.

(2) The following KY-3 circuits were activated:

1. CIA Watch Office (Room 7F35, Hqs.) to NMCC.

2. DODS (Room 1H25) to [REDACTED]

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d. HY-2/KG-13

We experienced considerable difficulty getting through to Saigon this past month due to faulty circuit conditions. After conducting tests [REDACTED] we were finally communicating successfully to Saigon during the latter part of the month.

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OVERTIME

A total of forty-three hours of overtime was worked during this reporting period.

WAY DOWN!

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